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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/822,686	03/30/2001	Thomas N. Turba	#RA 5362 (33012/309/101)	9229

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UNISYS CORPORATION	NGUYEN, MERILYN P	

ART UNIT	PAPER NUMBER
2161	⸰

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DATE MAILED: 08/11/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	09/822,686	TURBA ET AL.
	Examiner	Art Unit	
	Merilyn P Nguyen	2171	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _31 May 2005_ .

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _1-20_ is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) _1-20_ is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on _30 March 2001_ is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

    If approved, corrected drawings are required in reply to this Office action.

12)☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____ .

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

    a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)	4)☐ Interview Summary (PTO-413) Paper No(s). _____ .
2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)	5)☐ Notice of Informal Patent Application (PTO-152)
3)☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ .	6)☒ Other: *Detailed action* .

DETAILED ACTION

1.   A request for continued examination under 37 CFR 1.114, including the fee set forth in

37 CFR 1.17(e), was filed in this application after final rejection. Since this application is

eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e)

has been timely paid, the finality of the previous Office action has been withdrawn pursuant to

37 CFR 1.114. Applicant's submission filed on 05/31/2005 has been entered.

2.   In response to the communication dated 05/31/2005, claims 1-20 are active in this

application.

Acknowledges

3.   Receipt is acknowledged of the following items from the Applicant:

o   The applicant's amendments have been considered and made of record.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in
> section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are
> such that the subject matter as a whole would have been obvious at the time the invention was made to a person
> having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the
> manner in which the invention was made.

4.   Claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Beall (US

6,169,992), in view of Black (US 6,285,998).

Regarding claim 1, Beall discloses in a data processing system (Figs. 1-3) having a user

terminal (Client Computer 4018) operated by a user which builds a service providing a related

sequence of manipulations of data within a data base management system (Col. 43, lines 48-56

and col. 50, lines 9-16) which responds to said service by executing an ordered sequence of

command language script (787, Fig. 43, col. 36, line 64 to col. 37, line 35) responsively coupled

to said user terminal via a publicly accessible digital data communication network (Col. 3, line

20 to Col. 4, line 27), the improvement comprising:

a data wizard (Figures 27-31) which permits said user to specify said service as a

plurality of discrete and independent steps (Col. 30, line 1 to Col. 31, line 11) corresponding to

said ordered sequence of command language script (See col. 37, lines 14-21).

Beall is silent as to include a save component module within said data base management

system which stores said service for subsequent use.   On the other hand, Black teaches

generating reusable database queries (queries correspond to services) by using wizard and storing

queries in the query storage area for future user (See col. 4, line 60 to col. 5, line 28 and col. 6,

lines 1-9, Black et al.).   It would have been obvious to one having ordinary skill in the art to at

the time of the invention was made to store queries for future use as taught by Black.   The

motivation would have been to easily modify queries and reuse them at a future time.

Regarding claim 6, Beall/Black discloses apparatus comprising:

a. a user terminal (Client Computer 4018, Fig. 3) which makes a service request for

modification of data within a data base (Col. 43, lines 48-56 and col. 50, lines 9-16);

      b. a data base management system responsively coupled to said user terminal via a publicly accessible digital data communication network (Col. 3, line 20 to Col. 4, line 27) having a data base which honors said service request by execution of an ordered sequence of command language statements (787, Fig. 43, col. 36, line 64 to col. 37, line 35); and

      c. a data wizard (Figures 27-31) responsively coupled to said user terminal and said data base management system which permits a service request to be defined from said user terminal in accordance with a plurality of discrete and independent steps (Col. 30, line 1 to Col. 31, line 11); and

      d. a service storage module located within said data base management system which stores said service request within said data based for future use as addressed above in claim 1.

Regarding claim 11, Beall/Black discloses a method of dynamically building a service which modifies data within a data base (Col. 43, lines 48-56 and col. 50, lines 9-16) from a user terminal (Client Computer 4018, Fig. 3, Beall at el.) coupled via a publicly accessible digital data network (Internet 5124, Fig. 3, Beall at el.) to a remote data base management system (Fig. 6, Figs. 1-3, and Col. 3, line 20 to Col. 4, line 27, Beall at el.) which honors said service by executing an ordered sequence of command language script having a service building process (787, Fig. 43, col. 36, line 64 to col. 37, line 35). Beall teaches an ordered sequence of steps at Fig. 27 through Fig. 31. Beall presents plurality of potential steps within each of the ordered sequence of steps as example of Fig. 30, wherein there are steps of "select the knowledge base"

and "select the class". After chosen the desired knowledge base and class, the user click "next"

to proceed next one of the order sequence of steps (Fig. 31, Beall at el.). This process repeats

until user clicks "Finish" to complete the service. Beall/Black further discloses storing said

service within said data base for future use as addressed above in claim 1.

Regarding claim 16, Beall/Black discloses an apparatus comprising Client Firewall 5125

for permitting a user to access Internet 5124 (Fig. 5), so that data base management services is

provided such as service for accessing a data base management system (Fig. 6, and Col. 3, line

20 to Col. 4, line 27) and (Col. 43, lines 48-56 and col. 50, lines 9-16). Designing a service

(query building) through specification of an ordered plurality of discrete and independent steps

and presenting a plurality of valid potential steps for selection of each of said ordered plurality of

discrete and independent steps are addressed in the analysis following: Beall teaches a data

wizard an ordered sequence of steps at Fig. 27 through Fig. 31. Beall presents plurality of

potential steps within each of the ordered sequence of steps as example of Fig. 30, wherein there

are steps of "select the knowledge base" and "select the class". After chosen the desired

knowledge base and class, the user click "next" to proceed next one of the order sequence of

steps (Fig. 31, Beall at el.). This process repeats until user clicks "Finish" to complete the

service. Beall/Black further discloses storing means providing means storing said service within

said data base for future use as addressed above in claim 1.

Regarding claims 2, 7 and 18, Beall/Black discloses said publically accessible digital data communication network further comprises the Internet (Internet 5124, Fig. 3, Beall at el.).

Regarding claims 3, 9, 13-14 and 20, Beall/Black discloses said user terminal further comprises an industry compatible personal computer (Client Computer 4018, Fig. 3, Beall at el.) having a commercially available browser (WWW Browser 4014, Fig. 3, Beall at el.).

Regarding claims 4, 8, and 17, Beall/Black discloses said data wizard permits said user to define and edit each step in said plurality of steps independently of each of the other steps in said plurality of steps (See col. 30, line 1 to col. 31, line 11, Beall et al.).

Regarding claim 5, 10, 15, and 19, Beall/Black discloses a commercial data base management system (See col. 3, lines 31-59, Beall at el.).

Regarding claim 12, Beall/Black further discloses editing said previous discrete and independent step without modification to said subsequent discrete and independent step (See col. 30, line 1 to col. 31, line 11).

Response to Arguments

5.   Applicant's arguments filed on 05/31/2005 with respect to claims 1-20 have been fully considered but they are considered moot in view of the new grounds of rejection.

Applicant argues that Beall does not teach or suggest the new amended claims limitation

of storing service for future use. The Examiner points out as addressed above that Beall is silent

as to storing query (corresponding to "service" by Examiner) for future use. However, it would

have been obvious to one having ordinary skill in the art at the time of the invention was made to

storing queries for future and further available for editing as suggested by Black (as addressed

above).

Conclusion

6.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Merilyn P Nguyen whose telephone number is 571-272-4026.

The examiner can normally be reached on M-F: 8:30 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Safet Metjahic can be reached on 571-272-4023. The fax phone numbers for the

organization where this application or proceeding is assigned are 703-872-9306 for regular

communications and 703-746-7240 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is 703-305-3900.

MN
June 26, 2005

FRANTZ COBY
PRIMARY EXAMINER